

## Product datasheet for TP317261L

### CYB5R2 (NM\_016229) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytochrome b5 reductase 2 (CYB5R2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217261 representing NM_016229 Red=Cloning site Green=Tags(s)
	MNSRRREPITLQDPEAKYPLPLIEKEKISHNTRRRFRGLPSPDHVLGLPVGNYVQLLAKIDNELVVRAYT PVSSDDDRGFVDLIIKIYFKNVHPQYPEGGKMTQYLENMKIGETIFFRGRGRLFYHGPNGLIRPDQTS EPKKTADHLGMIAGGTGITPMLQLIRHITKPSDRTRMSLIFANQVSSC
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	31.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_057313</a>
Locus ID:	51700
UniProt ID:	<a href="#">Q6BCY4</a>
RefSeq Size:	1341



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Cytogenetics: 11p15.4

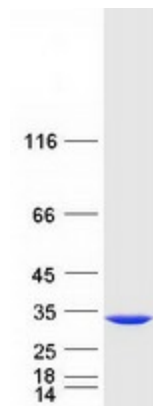
RefSeq ORF: 1304

Synonyms: B5R.2

**Summary:** The protein encoded by this gene belongs to the flavoprotein pyridine nucleotide cytochrome reductase family of proteins. Cytochrome b-type NAD(P)H oxidoreductases are implicated in many processes including cholesterol biosynthesis, fatty acid desaturation and elongation, and respiratory burst in neutrophils and macrophages. Cytochrome b5 reductases have soluble and membrane-bound forms that are the product of alternative splicing. In animal cells, the membrane-bound form binds to the endoplasmic reticulum, where it is a member of a fatty acid desaturation complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified CYB5R2 protein (Cat# [TP317261]). The protein was produced from HEK293T cells transfected with CYB5R2 cDNA clone (Cat# [RC217261]) using MegaTran 2.0 (Cat# [TT210002]).